

**Chapter 21A.18**  
**DEVELOPMENT STANDARDS - PARKING AND CIRCULATION**

**Sections:**

- 21A.18.010 Purpose.
- 21A.18.020 Authority and application.
- 21A.18.030 Computation of required off-street parking spaces.
- 21A.18.040 Shared parking requirements.
- 21A.18.050 Exceptions for community residential facilities (CRF) and senior citizen assisted housing.
- 21A.18.060 Parking for the disabled.
- 21A.18.070 Loading space requirements.
- 21A.18.080 Stacking spaces for drive-through facilities.
- 21A.18.090 Transit and rideshare provisions.
- 21A.18.100 Pedestrian and bicycle circulation and access.
- 21A.18.110 Off-street parking plan design standards.
- 21A.18.120 Off-street parking construction standards.
- 21A.18.130 Compact car allowance requirements.
- 21A.18.140 Internal circulation road standards.

BLANK

**21A.18.010 Purpose.** The purpose of this chapter is to provide adequate parking for all uses allowed in this title; to reduce demand for parking by encouraging alternative means of transportation including public transit, rideshare and bicycles; and to increase pedestrian mobility in urban areas by:

- A. Setting minimum off street parking standards for different land uses that assure safe, convenient and adequately sized parking facilities within activity centers;
- B. Providing incentives to rideshare through preferred parking arrangements;
- C. Providing for parking and storage of bicycles;
- D. Providing safe direct pedestrian access from public rights-of-way to structures and between developments; and
- E. Requiring uses which attract large numbers of employees or customers to provide transit stops. (Ord. 10870 § 405, 1993).

**21A.18.020 Authority and application.**

A. Before an occupancy permit may be granted for any new or enlarged building or for a change of use in any existing building, the use shall be required to meet the requirements of this chapter. In addition, K.C.C. 21A.18.110 I. and J. establish residential parking limitations applicable to existing, as well as new, residential uses.

B. If this chapter does not specify a parking requirement for a land use, the director shall establish the minimum requirement based on a study of anticipated parking demand. Transportation demand management actions taken at the site shall be considered in determining anticipated demand. If the site is located in an activity center or community business center, the minimum requirement shall be set at a level less than the anticipated demand, but at no less than seventy-five percent of the anticipated demand. In the study, the applicant shall provide sufficient information to demonstrate that the parking demand for a specific land use will be satisfied. Parking studies shall be prepared by a professional engineer with expertise in traffic and parking analyses, or an equally qualified individual as authorized by the director.

C. If the required amount of off-street parking has been proposed to be provided off-site, the applicant shall provide written contracts with affected landowners showing that required off-street parking shall be provided in a manner consistent with this chapter. The contracts shall be reviewed by the director for compliance with this chapter, and if approved, the contracts shall be recorded with the county records, elections and licensing services division as a deed restriction on the title to all applicable properties. These deed restrictions may not be revoked or modified without authorization by the director.

D. Upon request from the proponent of any use subject to the this chapter located in a rural town, rural neighborhood center, any commercial zone located in a rural area or natural resource production district designated by the Comprehensive Plan, or any agricultural product production, processing or sales use allowed in the A or F zones the director may waive or modify this chapter in order to protect or enhance the historic character of the area, to reduce the need for pavement or other impervious surfaces, to recognize the seasonal nature of any such activity or to minimize the conversion of agriculturally productive soils. Where a neighborhood or subarea plan with design guidelines that includes the subject property has been adopted, the director shall base allowable waivers or modifications on the policies and guidelines in such a plan. (Ord. 15032 § 22, 2004: Ord. 14309 § 9, 2002: Ord. 11621 § 59, 1994: Ord. 10870 § 406, 1993).

**21A.18.030 Computation of required off-street parking spaces.**

A. Except as modified in K.C.C. 21A.18.070B-D, off-street parking areas shall contain at a minimum the number of parking spaces as stipulated in the following table. Off-street parking ratios expressed as number of spaces per square feet means the usable or net square footage of floor area, exclusive of non-public areas. Non-public areas include but are not limited to building maintenance areas, storage areas, closets or restrooms. If the formula for determining the number of off-street parking spaces results in a fraction, the number of off-street parking spaces shall be rounded to the nearest whole number with fractions of .50 or greater rounding up and fractions below .50 rounding down.

<b>LAND USE</b>	<b>MINIMUM PARKING SPACES REQUIRED</b>
<b>RESIDENTIAL (K.C.C. 21A.08.030A):</b>	
Single detached/Townhouse	2.0 per dwelling unit
Apartment:	
Studio units	1.2 per dwelling unit
One bedroom units	1.5 per dwelling unit
Two bedroom units	1.7 per dwelling unit
Three bedroom units or larger	2.0 per dwelling unit
Mobile home park	2.0 per dwelling unit
Senior citizen assisted	1 per 2 dwelling or sleeping units
Community residential facilities	1 per two bedrooms
Dormitory, including religious	1 per two bedrooms
Hotel/Motel including organizational hotel/lodging	1 per bedroom
Bed and breakfast guesthouse	1 per guest room, plus 2 per facility
<b>RECREATION/CULTURAL (K.C.C. 21A.08.040A):</b>	
Recreation/culture uses:	1 per 300 square feet
Exceptions:	
Bowling center	5 per lane
Golf course	3 per hole, plus 1 per 300 square feet of club house facilities
Tennis Club	4 per tennis court plus 1 per 300 square feet of clubhouse facility
Golf driving range	1 per tee
Park/playfield	(director)
Theater	1 per 3 fixed seats
Conference center	1 per 3 fixed seats, plus 1 per 50 square feet used for assembly purposes without fixed seats, or 1 per bedroom, whichever results in the greater number of spaces.

LAND USE	MINIMUM PARKING SPACES REQUIRED
<b>GENERAL SERVICES (K.C.C. 21A.08.050A):</b>	
General services uses:	1 per 300 square feet
Exceptions:	
Funeral home/Crematory	1 per 50 square feet of chapel area
Daycare I	2 per facility
Daycare II	2 per facility, plus 1 space for each 20 children
Churches, synagogue, temple	1 per 5 fixed seats, plus 1 per 50 square feet of gross floor area without fixed seats used for assembly purposes
Outpatient and Veterinary clinic offices	1 per 300 square feet of office, labs and examination rooms
Nursing and personal care Facilities	1 per 4 beds
Hospital	1 per bed
Elementary schools	1 per classroom, plus 1 per 50 students
Secondary schools	
Middle/junior high schools	1 per classroom, plus 1 per 50 students
High schools	1 per classroom, plus 1 per 10 students
High schools with stadiums	greater of 1 per classroom plus 1 per 10 students, or 1 per 3 fixed seats in stadium
Vocational schools	1 per classroom, plus 1 per five students
Specialized instruction Schools	1 per classroom, plus 1 per two students
Artist Studios	.9 per 1,000 square feet of area used for studios
<b>GOVERNMENT/BUSINESS SERVICES (K.C.C. 21A.08.060A):</b>	
Government/business services uses:	1 per 300 square feet
Exceptions:	
Public agency yard	1 per 300 square feet of offices, plus .9 per 1,000 square feet of indoor storage or repair areas
Public agency archives	.9 per 1000 square feet of storage area, plus 1 per 50 square feet of waiting/reviewing areas
Courts	3 per courtroom, plus 1 per 50 square feet of fixed seat or assembly areas
Police facility	(director)
Fire facility	(director)
Construction and trade	1 per 300 square feet of office, plus 1 per 3,000 square feet of storage area
Warehousing and storage	1 per 300 square feet of office, plus .9 per 1,000 square feet of storage area
Self-service storage	1 per 3,500 square feet of storage area, plus 2 for any resident director's unit
Outdoor advertising services	1 per 300 square feet of office, plus .9 per 1,000 square feet of storage area
Heavy equipment repair	1 per 300 square feet of office, plus .9 per 1,000 square feet of indoor repair areas
Office	1 per 300 square feet

<b>LAND USE</b>	<b>MINIMUM PARKING SPACES REQUIRED</b>
<b>RETAIL/WHOLESALE (K.C.C. 21A.08.070A):</b>	
Retail trade uses:	1 per 300 square feet
Exceptions:	
Food stores, less than 15,000 square feet	3 plus 1 per 350 square feet
Gasoline service stations w/o grocery	3 per facility, plus 1 per service bay
Gasoline service stations w/grocery, no service bays	1 per facility, plus 1 per 300 square feet of store
Restaurants	1 per 75 square feet in dining or lounge areas
Wholesale trade uses	.9 per 1000 square feet
Retail and wholesale trade mixed use	1 per 300 square feet
<b>MANUFACTURING (K.C.C. 21A.08.080A):</b>	
Manufacturing uses	.9 per 1,000 square feet
Winery/Brewery	.9 per 1,000 square feet, plus 1 per 50 square feet of tasting area
<b>RESOURCES (K.C.C. 21A.08.090A):</b>	
Resource uses	(director)
<b>REGIONAL (K.C.C. 21A.08.100A):</b>	
Regional uses	(director)

B. An applicant may request a modification of the minimum required number of parking spaces by providing that parking demand can be met with a reduced parking requirement. In such cases, the director may approve a reduction of up to fifty percent of the minimum required number of spaces.

C. When the county has received a shell building permit application, off-street parking requirements shall be based on the possible tenant improvements or uses authorized by the zone designation and compatible with the limitations of the shell permit. When the range of possible uses result in different parking requirements, the director will establish the amount of parking based on a likely range of uses.

D. Where other provisions of this code stipulate maximum parking allowed or reduced minimum parking requirements, those provisions shall apply.

E. In any development required to provide six or more parking spaces, bicycle parking shall be provided. Bicycle parking shall be bike rack or locker-type parking facilities unless otherwise specified.

1. Off-street parking areas shall contain at least one bicycle parking space for every twelve spaces required for motor vehicles except as follows:

a. The director may reduce bike rack parking facilities for patrons when it is demonstrated that bicycle activity will not occur at that location.

b. The director may require additional spaces when it is determined that the use or its location will generate a high volume of bicycle activity. Such a determination will include but not be limited to the following uses:

- (1) Park/playfield,
- (2) Marina,

- (3) Library/museum/arboretum,
- (4) Elementary/secondary school,
- (5) Sports club, or
- (6) Retail business (when located along a developed bicycle trail or designated bicycle route).

2. Bicycle facilities for patrons shall be located within 100 feet of the building entrance and shall be designed to allow either a bicycle frame or wheels to be locked to a structure attached to the pavement.

3. All bicycle parking and storage shall be located in safe, visible areas that do not impede pedestrian or vehicle traffic flow, and shall be well lit for nighttime use.

4. When more than ten people are employed on site, enclosed locker-type parking facilities for employees shall be provided. The director shall allocate the required number of parking spaces between bike rack parking and enclosed locker-type parking facilities.

5. One indoor bicycle storage space shall be provided for every two dwelling units in townhouse and apartment residential uses, unless individual garages are provided for every unit. The director may reduce the number of bike rack parking spaces if indoor storage facilities are available to all residents. (Ord. 13022 § 22, 1998: Ord. 11978 § 14, 1995: Ord. 11157 § 18, 1993: Ord. 10870 § 407, 1993).

**21A.18.040 Shared parking requirements.** The amount of off-street parking required by K.C.C. 21A.18.030 may be reduced by an amount determined by the director when shared parking facilities for two or more uses are proposed, provided:

- A. The total parking area exceeds 5,000 square feet;
- B. The parking facilities are designed and developed as a single on-site common parking facility, or as a system of on-site and off-site facilities, if all facilities are connected with improved pedestrian facilities and no building or use involved is more than eight hundred feet from the most remote shared facility;
- C. The amount of the reduction shall not exceed ten percent for each use, unless:
  1. The normal hours of operation for each use are separated by at least one hour; or
  2. A parking demand study is prepared by a professional traffic engineer and submitted by the applicant documenting that the hours of actual parking demand for the proposed uses will not conflict and those uses will be served by adequate parking if shared parking reductions are authorized;
  3. The director will determine the amount of reduction subject to paragraph D of this section.
- D. The total number of parking spaces in the common parking facility is not less than the minimum required spaces for any single use;
- E. A covenant or other contract for shared parking between the cooperating property owners is approved by the director. This covenant or contract must be recorded with King County records and elections division as a deed restriction on both properties and cannot be modified or revoked without the consent of the director; and
- F. If any requirements for shared parking are violated, the affected property owners must provide a remedy satisfactory to the director or provide the full amount of required off-street parking for each use, in accordance with the requirements of this chapter, unless a satisfactory alternative remedy is approved by the director. (Ord. 11621 § 60, 1994: Ord. 10870 § 408, 1993).

**21A.18.050 Exceptions for community residential facilities (CRF) and senior citizen assisted housing.**

A. The minimum requirement of one off-street parking space per two bedrooms for CRF's and one off-street parking space per two senior citizen assisted housing units may be reduced by up to 50 percent, as determined by the director based on the following considerations:

1. Availability of private, convenient transportation services to meet the needs of the CRF residents;
2. Accessibility to and frequency of public transportation; and
3. Pedestrian access to health, medical, and shopping facilities;

B. If a CRF facility or senior citizen assisted housing is no longer used for such purposes, additional off-street parking spaces shall be required in compliance with this chapter prior to the issuance of a new certificate of occupancy. (Ord. 10870 § 409, 1993).

21A.18.060 - 21A.18.070

**21A.18.060 Parking for the disabled.** Off-street parking and access for physically disabled persons shall be provided in accordance with of the regulations adopted pursuant to Chapter 19.27 RCW, State Building Code, and Chapter 70.92 RCW, Public Buildings-Provisions for Aged and Disabled. (Ord. 13022 § 23, 1998: Ord.11621 § 61, 1994: Ord. 10870 § 410, 1993).

**21A.18.070 Loading space requirements.**

A. Every non-residential building engaged in retail, wholesale, manufacturing or storage activities, excluding self-service storage facilities, shall provide loading spaces in accordance with the standards listed below.

GROSS FLOOR AREA	REQUIRED NUMBER OF LOADING SPACES
10,000 to 16,000 square feet	1
16,001 to 40,000 square feet	2
40,001 to 64,000 square feet	3
64,001 to 96,000 square feet	4
96,001 to 128,000 square feet	5
128,001 to 160,000 square feet	6
160,001 to 196,000 square feet	7
For each additional 36,000 square feet	1 additional

B. Every building engaged in hotel, office building, restaurant, hospital, auditorium, convention hall, exhibition hall, sports arena/stadium or other similar use shall provide loading spaces in accordance with the standards listed below.

GROSS FLOOR AREA	REQUIRED NUMBER OF LOADING SPACES
40,000 TO 60,000 square feet	1
60,001 to 160,000 square feet	2
160,001 to 264,000 square feet	3
264,001 to 388,000 square feet	4
388,001 to 520,000 square feet	5
520,001 to 652,000 square feet	6
652,001 to 784,000 square feet	7
784,001 to 920,000 square feet	8
For each additional 140,000 square feet	1 additional

C. Each loading space required by this section shall be a minimum of ten feet wide, thirty feet long, and have an unobstructed vertical clearance of fourteen feet six inches, and shall be surfaced, improved and maintained as required by this chapter. Loading spaces shall be located so that trucks shall not obstruct pedestrian or vehicle traffic movement or project into any public right-of-way. All loading space areas shall be separated from parking areas and shall be designated as truck loading spaces.

D. Any loading space located within 100 feet of areas zoned for residential use shall be screened and operated as necessary to reduce noise and visual impacts. Noise mitigation measures may include architectural or structural barriers, beams, walls, or restrictions on the hours of operation.

E. Multi-story self-service storage facilities shall provide two loading spaces, and single story facilities one loading space, adjacent to each building entrance that provides common access to interior storage units. Each loading berth shall measure not less than twenty-five feet by twelve feet with an unobstructed vertical clearance of fourteen feet six inches, and shall be surfaced, improved and maintained as required by this chapter. Any floor area additions or structural alterations to a building shall be required to provide loading space or spaces as set forth in this chapter. (Ord. 13022 § 24, 1998: Ord. 10870 § 411, 1993).



**21A.18.080 Stacking spaces for drive-through facilities.**

A. A stacking space shall be an area measuring eight feet by twenty feet with direct forward access to a service window of a drive-through facility. A stacking space shall be located to prevent any vehicles from extending onto the public right-of-way, or interfering with any pedestrian circulation, traffic maneuvering, or other parking space areas. Stacking spaces for drive-through or drive-in uses may not be counted as required parking spaces.

B. Uses providing drive-up or drive-through services shall provide vehicle stacking spaces as follows:

1. For each drive-through lane of a bank or financial institution, business service or other drive-through use not listed, a minimum of five stacking spaces shall be provided;

2. For each drive-through lane of a restaurant that makes provision for on-premises consumption of food or drink or whose building floor area is more than one hundred sixty square feet, a minimum of seven stacking spaces shall be provided; and

3. For each drive-through lane of a restaurant that makes no provision for on-premises consumption of food or drink and whose building floor area is one hundred sixty square feet or less:

a. A minimum of three stacking spaces shall be provided if:

(1) there are three or more other restaurants within one-quarter mile of the restaurant that also make no provision for on-premises consumption of food or drink and whose building floor area is one hundred sixty square feet or less; or

(2) if vehicles on the drive-through lane of the restaurant does not exceed six vehicles per any half-hour period;

b. A minimum of four stacking spaces shall be provided if:

(1) there are two or fewer other restaurants within one-quarter mile of the restaurant that also make no provision for on-premises consumption of food or drink and whose building floor area is one hundred sixty square feet or less; or

(2) vehicles on the drive-through lane of the restaurant are seven or more but less than eleven vehicles per any half-hour period;

c. A minimum of five stacking spaces shall be provided if:

(1) there are no restaurants within one-quarter mile of the restaurant that also make no provision for on-premises consumption of food or drink and whose building floor area is one hundred sixty square feet or less; or

(2) vehicles on the drive-through lane of the restaurant are eleven or more vehicles per any half-hour period; or

d. The director may modify the number of required stacking spaces, after consultation with other public agencies or after consideration of traffic studies provided by the applicant, but to no fewer than three stacking spaces. (14943 § 1, 2004: Ord. 11621 § 62, 1994: Ord. 10870 § 412, 1993).

**21A.18.090 Transit and rideshare provisions.**

A. All land uses listed in K.C.C. 21A.08.060A (Government/Business Services), and in K.C.C. 21A.08.080A (Manufacturing), hospitals, high schools, vocational schools, universities and specialized instruction schools shall be required to reserve one parking space of every 20 required spaces for rideshare parking as follows:

1. The parking spaces shall be located closer to the primary employee entrance than any other employee parking except disabled;

2. Reserved areas shall have markings and signs indicating that the space is reserved; and

3. Parking in reserved areas shall be limited to vanpools and carpools established through ride share programs by public agencies and to vehicles meeting minimum rideshare qualifications set by the employer;

B. The director may reduce the number of required off-street parking spaces when one or more scheduled transit routes provide service within 660 feet of the site. The amount of reduction shall be based on the number of scheduled transit runs between 7:00 - 9:00AM and 4:00 - 6:00PM each business day up to a maximum reduction as follows:

1. Four percent for each run serving land uses in K.C.C. 21A.08.060A (Government/Business Services) and K.C.C. 21A.08.080A (Manufacturing) up to a maximum of forty percent; and
2. Two percent for each run serving land uses in K.C.C. 21A.08.040A (Recreation/Culture), 21A.08.050A (General Services) and 21A.08.060A (Retail/Wholesale) up to a maximum of twenty percent; and

C. All uses which are located on an existing transit route and are required under the computation for required off-street parking spaces in K.C.C. 21A.18.030A to provide more than 200 parking spaces may be required to provide transit shelters, bus turnout lanes or other transit improvements as a condition of permit approval. Uses which reduce required parking under subsection B of this section shall provide transit shelters if transit routes adjoin the site. (Ord. 11621 § 63, 1994; Ord. 10870 § 413, 1993).

**21A.18.100 Pedestrian and bicycle circulation and access.**

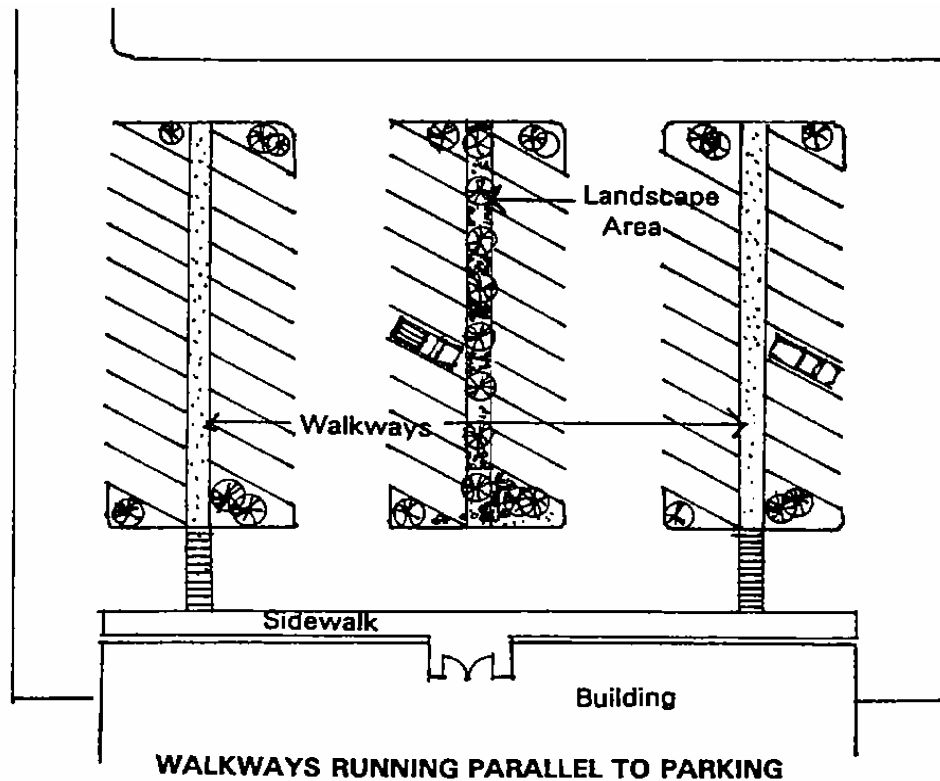
A. Non residential uses. All permitted nonresidential uses shall provide pedestrian and bicycle access within and onto the site. Access points onto the site shall be provided (a) approximately every 800 to 1,000 feet along existing and proposed perimeter sidewalks and walkways, and (b) at all arrival points to the site, including abutting street intersections, crosswalks, and transit stops. In addition, access points to and from adjacent lots shall be coordinated to provide circulation patterns between developments.

B. Residential uses.

1. All permitted residential uses of five or more dwelling units shall provide pedestrian and bicycle access within and onto the site. Access points onto the site shall be provided (a) approximately every 800 to 1,000 feet along existing and proposed perimeter sidewalks and walkways, and (b) at all arrival points to the site, including abutting street intersections, crosswalks, and transit and school bus stops. In addition, access points to and from adjacent lots shall be coordinated to provide circulation patterns between sites.

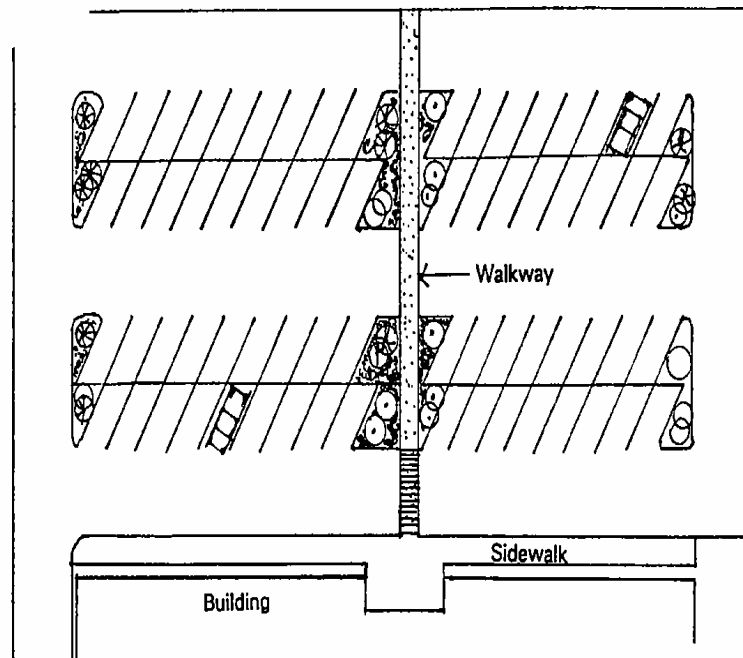
2. Residential uses of five or more dwelling units shall provide for non-motorized circulation between cul-de-sacs or groups of buildings to allow pedestrian and bicycle access within and through the development to adjacent activity centers, parks, common tracts, dedicated open space intended for active recreation, schools or other public facilities, transit and school bus stops, and public streets.

3. Access shall only be required to school bus stops that are within or adjacent to a proposed residential use of five or more dwelling units and that are identified by the affected school district in response to a Notice of Application. In order to allow school districts to identify school bus stops, the department shall send a Notice of Application to affected school districts on all applications for residential uses of five or more dwelling units.



C. Walkways shall form an on-site circulation system that minimizes the conflict between pedestrians and traffic at all points of pedestrian access to on-site parking and building entrances. Walkways shall be provided when the pedestrian access point onto the site, or any parking space, is more than 75 feet from the building entrance or principal on-site destination and as follows:

1. All developments which contain more than one building shall provide walkways between the principal entrances of the buildings;
2. All non-residential buildings set back more than 100 feet from the public right-of-way shall provide for direct pedestrian access from the building to buildings on adjacent lots; and
3. Walkways across parking areas shall be located as follows:
  - a. Walkways running parallel to the parking rows shall be provided for every six rows. Rows without walkways shall be landscaped or contain barriers or other means to encourage pedestrians to use the walkways; and
  - b. Walkways running perpendicular to the parking rows shall be no further than twenty parking spaces. Landscaping, barriers or other means shall be provided between the parking rows to encourage pedestrians to use the walkways;



#### **WALKWAYS RUNNING PERPENDICULAR TO PARKING**

D. Pedestrian and bicycle access and walkways shall meet the following minimum design standards:

1. Access and walkways shall be well lit and physically separated from driveways and parking spaces by landscaping, berms, barriers, grade separation or other means to protect pedestrians from vehicular traffic;

2. Access and walkways shall be a minimum of 48 inches of unobstructed width and meet the surfacing standards of the King County Road Standards for walkways or sidewalks;

3. The minimum standard for walkways required to be accessible for persons with disabilities shall be designed and constructed to comply with the current State Building Code regulations for barrier-free accessibility;

4. A crosswalk shall be required when a walkway crosses a driveway or a paved area accessible to vehicles; and

E. Blocks in excess of 660 feet shall be provided with a crosswalk at the approximate midpoint of the block.

F. The director may waive or modify the requirements of this section when:

1. Existing or proposed improvements would create an unsafe condition or security concern;
2. There are topographical constraints, or existing or required structures effectively block access;
3. The site is in a rural area outside of or not contiguous to an activity center, park, common tract, dedicated open space, school, transit stop or other public facility;
4. The land use would not generate the need for pedestrian or bicycle access; or
5. the public is not allowed access to the subject land use.

The director's waiver may not be used to modify or waive the requirements of K.C.C. 21A.18.100 relating to sidewalks and safe walking conditions for students.

G. The provisions of this section shall not apply on school district property. (Ord. 12793 § 1, 1997: Ord. 11978 § 15, 1995: Ord. 11621 § 64 1994: Ord. 10870 § 414, 1993).

**21A.18.110 Off-street parking plan design standards.**

A. Off-street parking areas shall not be located more than six hundred feet from the building they are required to serve for all uses except those specified as follows; where an off-street parking area does not abut the building it serves, the required maximum distance shall be measured from the nearest building entrance that the parking area serves:

1. For all single detached dwellings the parking spaces shall be located on the same lot they are required to serve;

2. For all other residential dwellings at least a portion of parking areas shall be located within one hundred fifty feet from the building or buildings they are required to serve;

3. For all nonresidential uses permitted in residential zones, the parking spaces shall be located on the same lot they are required to serve and at least a portion of parking areas shall be located within one hundred fifty feet from the nearest building entrance they are required to serve;

4. In designated activity, community business and neighborhood business centers, parking lots shall be located to the rear or sides of buildings. Relief from this subsection A.4 may be granted by the director only if the applicant can demonstrate that there is no practical site design to meet this requirement. The director may allow only the number of parking spaces that cannot be accommodated to the rear or sides of buildings to be located to the front of buildings;

5. Parking lots shall be so arranged as to permit the internal circulation of vehicles between parking aisles without re-entering adjoining public streets; and

6. Parking for the disabled shall be provided in accordance with K.C.C. 21A.18.060.

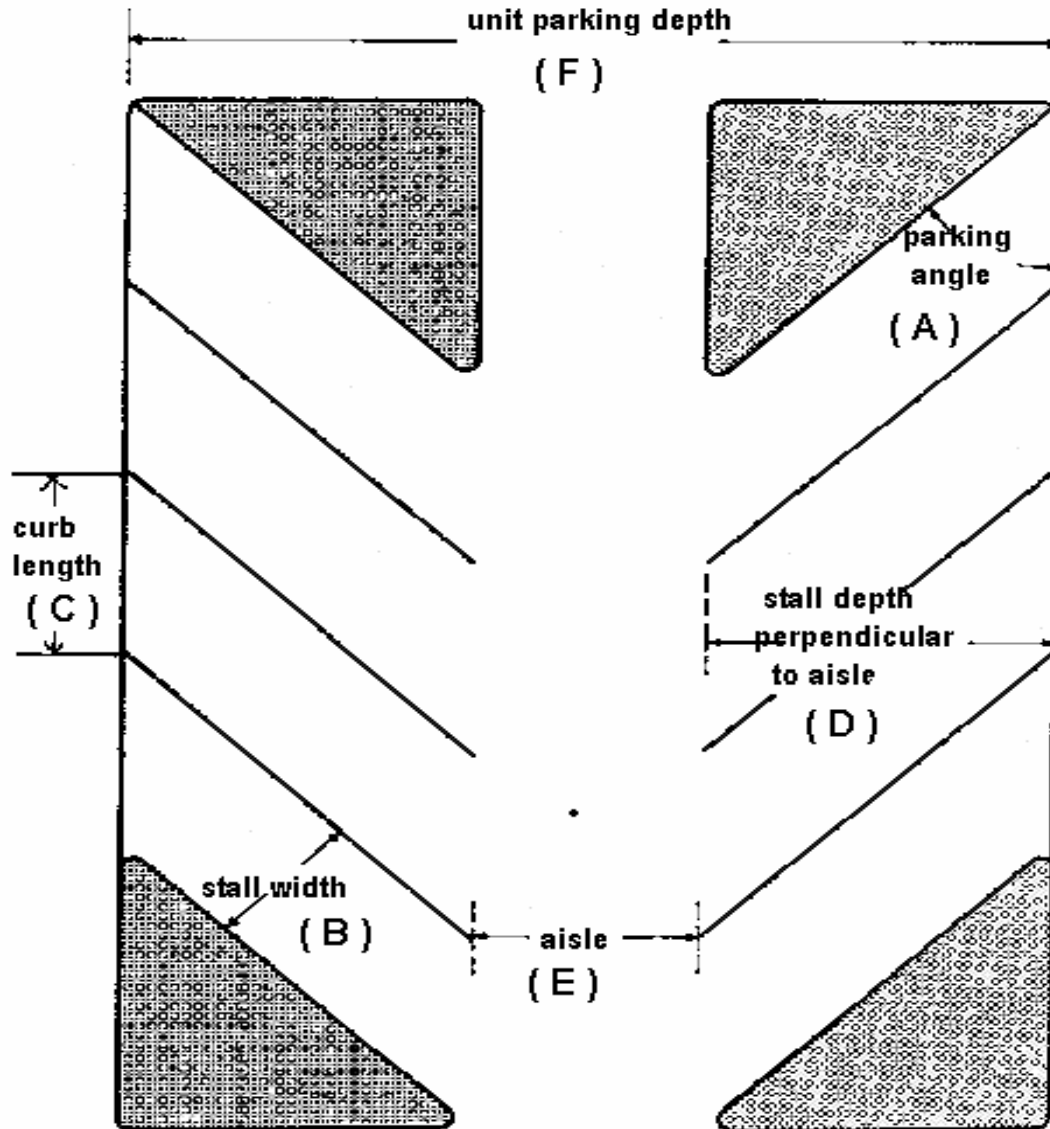
B. The minimum parking space and aisle dimensions for the most common parking angles are shown on the table in this subsection. For parking angles other than those shown on the chart, the minimum parking space and aisle dimensions shall be determined by the director. Regardless of the parking angle, one-way aisles shall be at least ten feet wide, and two-way aisles shall be at least twenty feet wide. If dead-end aisles are used in the parking layout, they shall be constructed as two-way aisles. Parking plans for angle parking shall use space widths no less than eight feet six inches for a standard parking space design and eight feet for a compact car parking space design.

MINIMUM PARKING STALL AND AISLE DIMENSIONS

A	B	C	D	E	F
PARKING ANGLE	STALL WIDTH	CURB LENGTH	STALL DEPTH	AISLE WIDTH 1-WAY 2-WAY	UNIT DEPTH 1-WAY 2-WAY
0 0	8.0* Min 8.5 Desired 9.0	20.0* 22.5 22.5	8.0 8.5 9.0	12.0 20.0 12.0 20.0 12.0 20.0	** ** 29.0 37.0 30.0 38.0
30 3 0	8.0* Min 8.5 Desired 9.0	16.0* 17.0 18.0	15.0 16.5 17.0	10.0 20.0 10.0 20.0 10.0 20.0	** ** 42.0 53.0 44.0 54.0
45 4 5	8.0* Min 8.5 Desired 9.0	11.5* 12.0 12.5	17.0*	12.0 20.0 12.0 20.0 12.0 20.0	** ** 50.0 58.0 51.0 59.0
60 6 0	8.0* Min 8.5 Desired 9.0	9.6* 10.0 10.5	18.0 20.0 21.0	18.0 20.0 18.0 20.0 18.0 20.0	** ** 58.0 60.0 60.0 62.0
90	8.0* Min 8.5 Desired 9.0	8.0* 8.5 9.0	16.0* 18.0 18.0	24.0 24.0 24.0 24.0 23.0 24.0	** ** 60.0 60.0 60.0 60.0

\* for compact stalls only

\*\* variable with compact and standard combinations

**NOMENCLATURE OF OFF-STREET PARKING AREA**

C. Any parking spaces abutting a required landscaped area on the driver or passenger side of the vehicle shall provide an additional eighteen inches above the minimum space width requirement to provide a place to step other than in the landscaped area. The additional width shall be separated from the adjacent parking space by a parking space division stripe.

D. The parking space depth may be reduced if vehicles overhang a walkway or landscaping under the following conditions:

1. Wheelstops or curbs are installed;
2. The remaining walkway provides a minimum of forty-eight inches of unimpeded passageway for pedestrians;
3. The amount of space depth reduction is limited to a maximum of eighteen inches; and
4. Landscaping is designed in accordance with K.C.C. 21A.16.070E.

E. Driveways providing ingress and egress between off-street parking areas and abutting streets shall be designed, located and constructed in accordance with K.C.C. chapter 14.42, Road Standards. Driveways for single detached dwellings, no more than twenty feet in width, may cross required setbacks or landscaped areas to provide access between the off-street parking areas and the street, provided no more than fifteen percent of the required landscaping or setback area is eliminated by the driveway. Joint use driveways may be located within required landscaping or setback areas. Driveways for all other developments may cross or be located within required setbacks or landscaped areas to provide access between the off-street parking areas and the street, if no more than ten percent of the required landscaping is displaced by the driveway and the driveway is located no closer than five feet from any property line except where intersecting the street.

F. Parking spaces required under this title shall be located as follows:

1. For single detached dwelling units the required parking spaces shall be outside of any required setbacks or landscaping, but driveways crossing setbacks and required landscaping may be used for parking. However, if the driveway is a joint use driveway, no vehicle parked on the driveway shall obstruct any joint user's access to the driveway or parking spaces;

2. For all other developments parking spaces may be permitted by the director in setback areas in accordance with an approved landscape plan; and

3. For nonresidential uses in residential zones, parking is permitted in setback areas in accordance with K.C.C. 21A.12.220.

G. Lighting shall be provided for safety of traffic and pedestrian circulation on the site. It shall be designed to minimize direct illumination of abutting properties and adjacent streets. The director shall have the authority to waive the requirement to provide lighting.

H. Tandem or end-to-end parking is allowed in residential developments. Apartment or townhouse developments may have tandem parking areas for each dwelling unit but shall not combine parking for separate dwelling units in tandem parking areas.

I. All vehicle parking and storage for single detached dwellings must be in a garage, carport or on an approved impervious surface. Any impervious surface used for vehicle parking or storage must have direct and unobstructed driveway access.

J. The total number of vehicles parked or stored outside of a building on a single family lot in the R-1 through R-8 zones, excluding recreational vehicles and trailers, shall not exceed six vehicles on lots that are twelve thousand five hundred square feet or less and eight vehicles on lots that are greater than twelve thousand five hundred square feet.

K. Vanpool and carpool parking areas shall meet the following minimum design standards:

1. A minimum vertical clearance of seven feet three inches shall be provided to accommodate van vehicles if designated vanpool and carpool parking spaces are located in a parking structure; and

2. A minimum turning radius of twenty-six feet four inches with a minimum turning diameter, curb to curb, of fifty-two feet five inches shall be provided from parking aisles to adjacent vanpool and carpool parking spaces.

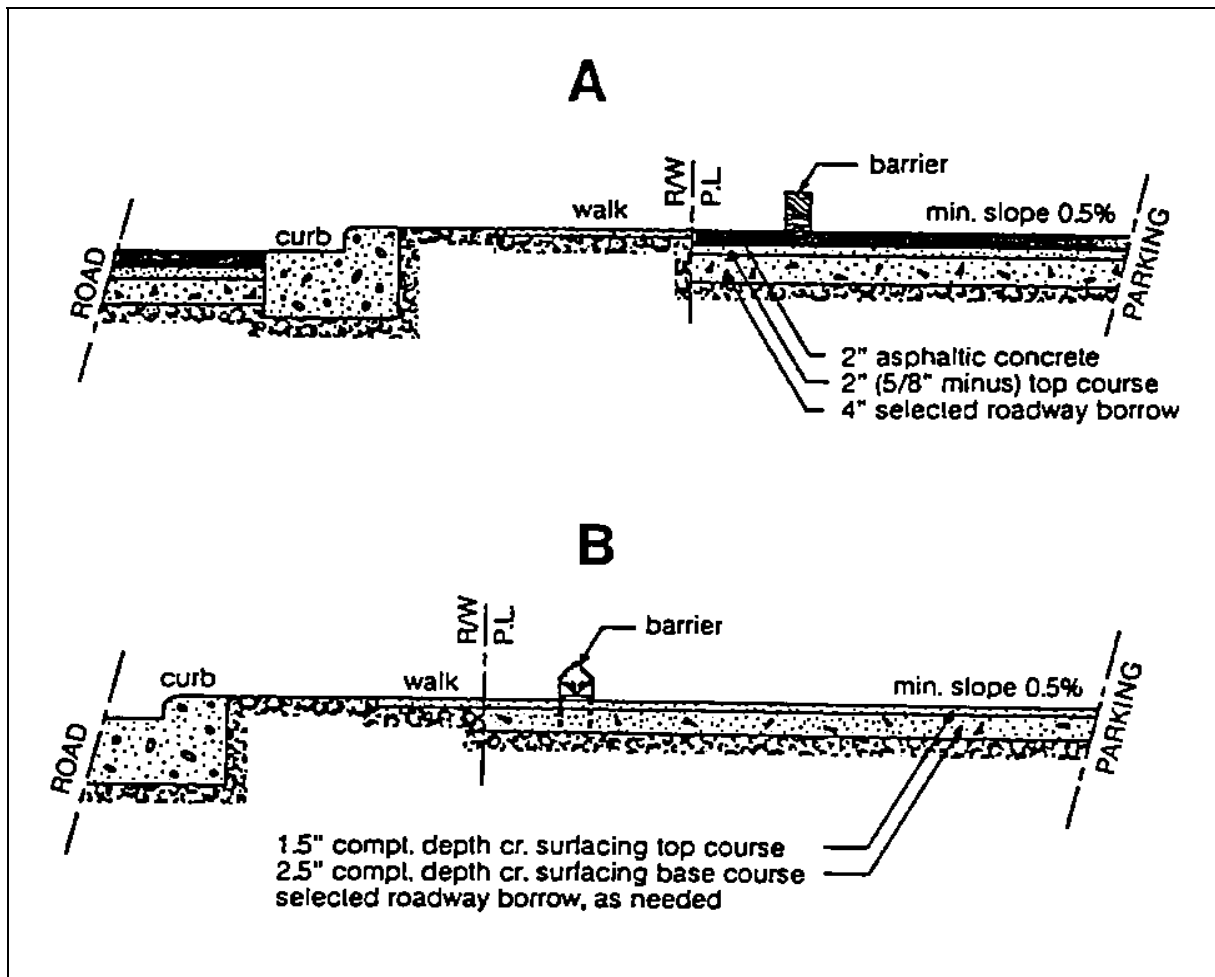
L. Direct access from the street right-of-way to off-street parking areas shall be subject to K.C.C. 21A.28.120.

M. No dead-end alley may provide access to more than eight off-street parking spaces.

N. Any parking stalls located in enclosed buildings must be totally within the enclosed building. (Ord. 14309 § 10, 2002: Ord. 14045 § 47, 2001: Ord. 13022 § 25, 1998: Ord. 11978 § 16, 1995: Ord. 11621 § 65, 1994: Ord. 10870 § 415, 1993).

**21A.18.120 Off-street parking construction standards.**

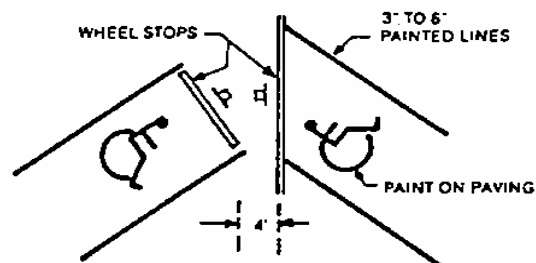
A. Off-street parking areas shall have dust-free, all-weather surfacing. Typical approved sections are illustrated below. Frequently used (at least five days a week) off-street parking areas shall conform to the standards shown in A below or an approved equivalent. If the parking area is to be used more than 30 days per year but less than five days a week, then the standards to be used shall conform to the standards shown in B below or an approved equivalent. An exception to these surfacing requirements may be made for certain uses that require intermittent use of their parking facilities less than 30 days per year. Any surface treatment other than those graphically illustrated below must be approved by the director.

**MINIMUM SURFACING REQUIREMENTS**

B. Grading work for parking areas shall meet the requirements of K.C.C. 16.82. Drainage and erosion/sedimentation control facilities shall be provided in accordance with K.C.C. 9.04.



## STALL MARKINGS AND WHEEL STOP LOCATIONS



**21A.18.130 Compact car allowance requirements.** In any development containing more than 20 parking spaces, up to 50 percent of the total number of spaces may be sized to accommodate compact cars, subject to the following:

A. Each space shall be clearly identified as a compact car space by painting the word "COMPACT" in capital letters, a minimum of 8 inches high, on the pavement at the base of the parking space and centered between the striping;

B. Aisle widths shall conform to the standards set for standard size cars; and

C. Apartment developments with less than twenty parking spaces may designate up to 40 percent of the required parking spaces as compact spaces. (Ord. 10870 § 417, 1993).

**21A.18.140 Internal circulation road standards.** Internal access roads to off-street parking areas shall conform with the surfacing and design requirements for private commercial roads set forth in K.C.C. 14.42 King County Roads Standards. (Ord. 10870 § 418, 1993).

**Chapter 21A.20**  
**DEVELOPMENT STANDARDS - SIGNS**

**Sections:**

21A.20.010	Purpose.
21A.20.020	Permit requirements.
21A.20.030	Exempt signs.
21A.20.040	Prohibited signs.
21A.20.050	Sign area calculation.
21A.20.060	General sign requirements.
21A.20.065	Community bulletin board signs.
21A.20.070	Resource zone signs.
21A.20.080	Residential zone signs.
21A.20.090	Office zone signs.
21A.20.095	Neighborhood business zone signs.
21A.20.100	Community business and industrial zone signs.
21A.20.110	Regional business zone signs.
21A.20.115	Mixed-use development signs in R-12 through R-48 zones.
21A.20.120	Signs or displays of limited duration.
21A.20.130	Billboards: Location and height standards.
21A.20.140	Billboards: General requirements.
21A.20.150	Billboards: Special restrictions in the CB zone.
21A.20.160	Billboards: Alteration or relocation limitations.
21A.20.170	Billboards: View and vegetative screening protections.
21A.20.180	Billboard free areas.
21A.20.190	Community identification signs.

BLANK

(King County 6-2006)

**21A.20.010 Purpose.** The purpose of this chapter is to enhance the visual environment of the county by:

- A. Establishing standards that regulate the type, number, location, size, and lighting of signs;
- B. Recognizing the private purposes of signs for the identification of businesses and promotion of products and services; and
- C. Recognizing the public purposes of signs which includes considerations of traffic safety, economic and aesthetic welfare. (Ord. 10870 § 419, 1993).

**21A.20.020 Permit requirements.**

- A. Except as otherwise permitted by this chapter, no sign shall be erected, altered or relocated without approval by the county.
- B. No building permit shall be required for repainting, cleaning, or other normal maintenance and repair of a sign, or for sign face and copy changes that do not alter the size or structure of the sign. (Ord. 10870 § 420, 1993).

**21A.20.030 Exempt signs.** The following signs or displays are exempted from the regulations under this chapter:

- A. Historic site markers or plaques, gravestones, and address numbers;
- B. Signs required by law, including but not limited to:
  - 1. Official or legal notices issued and posted by any public agency or court; or
  - 2. Traffic directional or warning signs.
- C. Plaques, tablets or inscriptions indicating the name of a building, date of erection, or other commemorative information, which are an integral part of the building structure or are attached flat to the face of the building, which are nonilluminated, and which do not exceed four square feet in surface area;
- D. Incidental signs, which shall not exceed two square feet in surface area, provided that said size limitation shall not apply to signs providing directions, warnings or information when established and maintained by a public agency;
- E. State or Federal flags;
- F. Religious symbols; and
- G. The flag of a commercial institution, provided no more than one flag is permitted per business premises, and further provided the flag does not exceed 20 square feet in surface area. (Ord. 10870 § 421, 1993).

**21A.20.040 Prohibited signs.** Except as indicated by this chapter, the following signs or displays are prohibited:

- A. Portable signs including, but not limited to, sandwich/A-frame signs and mobile readerboard signs, and excluding signs permitted under K.C.C. 21A.20.120;
- B. Private signs on utility poles;
- C. Signs which, by reason of their size, location, movement, content, coloring or manner of illumination may be confused with traffic control signs or signals;
- D. Signs located in the public right-of-way, except where permitted in this chapter; and
- E. Posters, pennants, string of lights, blinking lights, balloons, searchlights and other displays of a carnival nature; except as architectural features, or on a limited basis as seasonal decorations or as provided for in Section 21A.20.120 as grand opening displays.
- F. Changing message center signs, where the message changes more frequently than every three minutes. (Ord. 10870 § 422, 1993).

**21A.20.050 Sign area calculation.**

- A. Sign area for non-monument free-standing signs shall be calculated by determining the total surface area of the sign as viewed from any single vantage point, excluding support structures.
- B. Sign area for letters or symbols painted or mounted directly on walls or monument signs or on the sloping portion of a roof shall be calculated by measuring the smallest single rectangle which will enclose the combined letters and symbols.
- C. Sign area for signs contained entirely within a cabinet and mounted on a wall, roof or monument shall be calculated by measuring the entire area of the cabinet. (Ord. 13014 § 4, 1998: Ord. 10870 § 423, 1993).

21A.20.060

**21A.20.060 General sign requirements.**

A. All signs, except billboards, community bulletin boards, community identification signs, political signs, real estate signs and special event signs, shall be on-premise signs, except that signs located on lots without public street frontage in business, office and industrial zones may have one off-premise directional sign of no more than sixteen square feet.

B. Fuel price signs shall not be included in sign area or number limitations of K.C.C. 21A.20.090, 21A.20.095, 21A.20.100 and 21A.20.110, but only if the signs do not exceed twenty square feet per street frontage.

C. Except as otherwise provided in K.C.C. 21A.20.115, projecting and awning signs and signs mounted on the sloping portion of roofs shall not be permitted for uses in the Resource and Residential zones. In other zones, projecting and awning signs and signs mounted on the sloping portion of roofs may be used in lieu of wall signs, but only if:

1. They maintain a minimum clearance of eight feet above finished grade;
2. They do not project more than six feet perpendicular from the supporting building facade;
3. They meet the standards of K.C.C. 21A.20.060J, if mounted on the roof of a building; and
4. They shall not exceed the number or size permitted for wall signs in a zone.

D. Changing message center signs, and time and temperature signs, which can be a wall or freestanding sign, shall not exceed the size permitted for a wall or freestanding sign, and shall be permitted only in the NB, CB, RB, O and I zones. Changing message center signs and time and temperature signs shall not exceed the maximum sign height permitted in the zone.

E. Directional signs shall not be included in the sign area or number limitation of K.C.C. 21A.20.070, 21A.20.095, 21A.20.100 and 21A.20.110, but only if the signs do not exceed six square feet in surface area and are limited to one for each entrance or exit to surface parking areas or parking structure.

F. Regarding sign illumination and glare:

1. All signs in the NB, CB, RB, O or I zone districts may be illuminated. Signs in all other zones may be indirectly illuminated, provided the light source for indirectly illuminated signs shall be no farther away from the sign than the height of the sign;

2. Indirectly illuminated signs shall be arranged so that no direct rays of light are projected from such artificial source into residences or any street right-of-way.

3. Electrical requirements for signs shall be governed by chapter 19.28 RCW and WAC 296-46-910; and

4. Signs with an on/off operation shall be permitted only in the CB, RB and I zones.

G. Maximum height for wall signs shall not extend above the highest exterior wall or structure upon which the sign is located.

H. Maximum height for projecting signs shall not extend above the highest exterior wall upon which the projecting sign is located.

I. Maximum height for awning signs shall not extend above the height of the awning upon which the awning sign is located.

J. Any sign attached to the sloping surface of a roof shall be installed or erected in such a manner that there are no visible support structures, shall appear to be part of the building itself, and shall not extend above the roof ridge line of the portion of the roof upon which the sign is attached.

K. Except as otherwise permitted by this chapter, off-premise directional signs shall not exceed four square feet in sign area.

L. Mixed use developments in the NB, CB, RB or O zones are permitted one permanent residential identification sign not exceeding thirty-two square feet in addition to the maximum sign area requirements in the zone where the mixed use development is located. (Ord. 15404 § 2, 2006: Ord. 13022 § 27, 1998: Ord. 13014 § 5, 1998: Ord. 10870 § 424, 1993).

**21A.20.065 Community bulletin board signs.**

A. One community bulletin board sign is permitted within each community plan designated activity center with the following limitations:

B. In the R, UR and RA zones community bulletin board signs may not exceed 32 square feet and are only permitted at public schools, police stations, fire stations or other public facilities;

C. In the O and NB zones community bulletin board signs may not exceed 40 square feet;

D. In the CB and I zones community bulletin board signs may not exceed 60 square feet; and

E. In the RB zone community bulletin board signs may not exceed 100 square feet. (Ord. 10870 § 425, 1993).

**21A.20.070 Resource zone signs.** Signs in the A, F, and M zones are limited as follows:

A. One residential identification sign, not exceeding two square feet, is permitted. One additional sign, not exceeding 24 square feet, is permitted to identify non-residential uses or to advertise goods or services available on site; and

B. Freestanding signs shall not exceed a height of six feet, and shall be setback at least 10 feet from street right-of-way. (Ord. 10870 § 426, 1993).

**21A.20.080 Residential zone signs.** Except as otherwise provided in K.C.C. 21A.20.115, signs in the R, UR and RA zones are limited as follows:

A. Nonresidential use:

1. One sign identifying nonresidential uses, not exceeding twenty-five square feet and not exceeding six feet in height is permitted;

2. Schools are permitted one sign per school or school facility entrance, which may be located in the setback. Two additional wall signs attached directly to the school or school facility are permitted;

3. Home occupation and home industry signs are limited to wall signs not exceeding six square feet.

B. Residential use:

1. One residential identification sign not exceeding two square feet is permitted; and

2. One permanent residential development identification sign not exceeding thirty-two square feet is permitted per development. The maximum height for the sign shall be six feet. The sign may be freestanding or mounted on a wall, fence or other structure. (Ord. 15404 § 3, 2006; Ord. 12595 § 1, 1997; Ord. 10870 § 427, 1993).

**21A.20.090 Office zone signs.** Signs in the O zones shall be limited as follows:

A. Wall signs are permitted, provided they do not total an area more than 10 percent of the building facade on which they are located and provided they are limited to building facades with street frontage.

B. Freestanding signs:

1. One freestanding sign not exceeding 50 square feet is permitted for each street frontage of the lot, provided corner lots with a street frontage of less than 100 feet on each street shall be permitted only one freestanding sign;

2. On lots where more than one freestanding sign is permitted, the sign area permitted for individual freestanding signs may be combined; provided the combined sign does not exceed 80 square feet; and

3. The maximum height for freestanding signs shall be 15 feet. (Ord. 10870 § 428, 1993).

**21A.20.095 Neighborhood business zone signs.** Signs in the NB zones shall be limited as follows:

A. Wall signs are permitted, provided they do not total an area more than 10 percent of the building facade on which they are located;

B. Freestanding signs:

1. One freestanding sign not exceeding 50 square feet is permitted for each street frontage of the lot, provided corner lots with a street frontage of less than 100 feet on each street shall be permitted only one freestanding sign;

21A.20.095 - 21A.20.115

2. Multiple tenant developments that have more than 300 feet of street frontage on one street may have one additional freestanding sign for each 300 feet of street frontage, or portion thereof. Such signs shall be separated from one another by a minimum of 150 feet, if located on the same street frontage;

3. On lots where more than one freestanding sign is permitted, the sign area permitted for individual freestanding signs may be combined; provided the combined sign does not exceed 150 square feet; and

4. The maximum height for freestanding signs shall be 15 feet. (Ord. 10870 § 429, 1993).

**21A.20.100 Community business and Industrial zone signs.** Signs in the CB and I zones shall be limited as follows:

A. Wall signs are permitted, provided they do not total an area more than 15 percent of the building facade on which they are located;

B. Freestanding signs:

1. One freestanding sign not exceeding 85 square feet, plus an additional 20 square feet for each additional business in a multiple tenant structure but not to exceed 145 square feet total, is permitted for each street frontage of the lot, provided corner lots with a street frontage of less than 100 feet on each street shall be permitted only one freestanding sign;

2. Multiple tenant developments that have more than 300 feet of street frontage on one street may have one additional freestanding sign for each 300 feet of street frontage, or portion thereof. Such signs shall be separated from one another by a minimum of 150 feet, if located on the same street frontage;

3. On lots where more than one freestanding sign is permitted, the sign area permitted for individual freestanding signs may be combined provided the combined sign area does not exceed 250 square feet; and

4. The maximum height for freestanding signs shall be 20 feet. (Ord. 10870 § 430, 1993).

**21A.20.110 Regional business zone signs.** Signs in the RB zone shall be limited as follows:

A. Wall signs are permitted, provided they do not total an area more than 15 percent of the building facade on which they are located;

B. Freestanding signs;

1. One freestanding sign not exceeding 170 square feet is permitted for each street frontage of the lot, provided corner lots with a street frontage of less than 100 feet on each street shall be permitted only one freestanding sign;

2. Multiple tenant developments that have more than 300 feet of street frontage on one street may have one additional freestanding sign for each 300 feet of street frontage, or portion thereof. Such signs shall be separated from one another by a minimum of 150 feet, if located on the same street frontage not exceeding 150 square feet;

3. On lots where more than one freestanding sign is permitted, the sign area permitted for individual freestanding signs may be combined; provided the combined sign area does not exceed 300 square feet; and

4. The maximum height for a freestanding sign shall be 25 feet. (Ord. 10870 § 431, 1993).

**21A.20.115 Mixed-use development signs in R-12 through R-48 zones.** In a mixed-use development in the R-12 through R-48 zones in which the combined total of all nonresidential establishments exceeds fifteen thousand square feet of gross floor area, signs are limited as follows:

A. Signs for nonresidential uses are permitted as provided in K.C.C. 21A.20.095;

B. Signs for residential uses are permitted as follows:

1. One permanent residential identification sign not exceeding thirty-two square feet is permitted per building for each street frontage of the lot. A corner lot with a street frontage of less than one hundred feet on each street shall be permitted only one sign;

2. The maximum height for freestanding signs shall be fifteen feet;

3. The sign may be freestanding or mounted on a fence or a wall or other structure; and



4. In lieu of wall signs, projecting and awning signs and signs mounted on the sloping portion of roofs are permitted if the signs:

- a. have a minimum clearance of eight feet above finished grade;
- b. do not project more than six feet perpendicular from the supporting building facade;
- c. meet the standards of K.C.C. 21A.20.060.J, if mounted on the roof of a building; and
- d. do not total an area more than ten percent of the building façade on which they are located.

(Ord. 15404 § 1, 2006).

**21A.20.120 Signs or displays of limited duration.** The following temporary signs or displays are permitted and except as required by the Uniform Building Code, or as otherwise permitted in this chapter, do not require building permits:

A. Grand opening displays:

1. Signs, posters, pennants, strings of lights, blinking lights, balloons and searchlights are permitted for a period of up to one month to announce the opening of a new enterprise or the opening of an enterprise under new management; and

2. All grand opening displays shall be removed upon the expiration of 30 consecutive days;

B. Construction signs:

1. Construction signs identifying architects, engineers, planners, contractors or other individuals or firms involved with the construction of a building and announcing the character of the building or the purpose for which the building is intended may be displayed;

2. One nonilluminated, double-faced sign is permitted for each public street upon which the project fronts;

3. No sign shall exceed 32 square feet in surface area or ten feet in height, or be located closer than 30 feet from the property line of the adjoining property; and

4. Construction signs must be removed by the date of first occupancy of the premises or one year after placement of the sign, whichever occurs first;

C. Political Signs:

1. Signs, posters or bills promoting or publicizing candidates for public office or issues that are to be voted upon in a general or special election may be displayed on private property with the consent of the property owner. Any such sign, poster or bill shall be removed within ten days following the election; and

2. No sign, poster, bill or other advertising device shall be located on public property or within public easements or street right-of-way;

D. Real estate signs. All temporary real estate signs may be single or double-faced signs:

1. Signs advertising an individual residential unit for sale or rent shall be limited to one sign per street frontage. The sign may not exceed eight square feet in area, and shall not exceed six feet in height. The sign shall be removed within five days after closing of the sale, lease or rental of the property.

2. Portable off-premise residential directional signs announcing directions to an open house at a specified residence which is offered for sale or rent shall not exceed six square feet in area for each sign, and shall not exceed 42 inches in height. Such signs shall be permitted only when the agent or seller is in attendance at the property for sale or rent and may be located on the right-of-way outside of vehicular and bicycle lanes.

3. On-site commercial or industrial property for sale or rent signs shall be limited to one sign per street frontage, and shall not exceed 32 square feet in area. The sign shall not exceed 12 feet in height. The sign shall be removed within 30 days after closing of the sale, lease or rental of the property. A building permit is required and shall be issued for a one year period. The permit is renewable for one year increments up to a maximum of three years.

4. On-site residential development for sale or rent signs shall be limited to one sign per development. The sign shall not exceed 32 square feet in area, and shall not exceed 12 feet in height. A building permit is required and shall be issued for a one year period. The permit is renewable annually for up to a maximum of three years.

21A.20.120 - 21A.20.140

5. Off-site directional signs for residential developments shall be limited to six signs. Each sign shall not exceed 16 square feet in area, and shall include only the name of and directions to the residential development. The sign(s) shall be placed a maximum of two road miles from the nearest residential development entrance. No two signs for one residential development shall be located closer than 500 feet from one another on the same street. A single building permit is required for all signs and shall be issued for a one year period. The permit number and the permit expiration date must be clearly displayed on the face of each sign. The permit is renewable for one year increments up to a maximum of three years, provided that extensions will only be granted if the sign permit applicant has complied with the applicable regulations.

6. Residential on-premise informational signs shall be limited to one sign per feature, including but not limited to signs for information centers, model homes, parking areas or announcing features such as parks, playgrounds, or trails. Each sign shall not exceed 16 square feet in area, and shall not exceed six feet in height.

E. Community event signs:

1. Community event signs shall be limited to announcing or promoting a non-profit sponsored community fair, festival or event;

2. Community event signs may be displayed no more than the time period specified in the temporary use permit issued pursuant to K.C.C. 21A.44; and

3. Community event signs shall be removed by the event sponsor within two weeks following the end of the community fair, festival or event. (Ord. 11621 § 66, 1994; Ord. 10870 § 432, 1993).

**21A.20.130 Billboards: Location and height standards.**

A. All billboard alterations or relocations shall comply with the following location and design standards:

1. Billboards shall only be located on sites zoned CB, RB, or I;

2. No more than five billboard faces shall be oriented toward and visible from the same direction of travel within one mile of the proposed relocation site as measured along the adjacent roadway;

3. Billboards shall be located at least 100 feet from any other billboard, provided side-by-side, v-type and back-to-back billboard faces shall be considered one billboard for purposes of this subsection only;

4. The zoning on the opposite side of the street from a proposed relocation site must also permit billboards;

5. Type II billboards shall be at least 100 feet from any residential zone. Type I billboards shall be at least 330 feet from any residential zone;

6. No billboard shall extend beyond the property line of the billboard site;

7. No billboard shall be located more than 100 feet from any adjacent arterial;

8. Billboards shall observe the same street setback as all buildings within 50 feet of the proposed billboard location;

9. Type I billboard faces shall only be located adjacent to arterials developed with at least two primary travel lanes in each direction. In all other locations, billboards shall be limited to Type II billboard faces; and

10. No single billboard structure shall support a total of more than two Type I billboard faces or the equivalent, and no single billboard structure shall orient more than one Type I billboard face or the equivalent in any single direction.

B. Height:

1. Billboards located in the CB or RB zone shall not exceed 15 feet above the average height of all buildings within 330 feet of the billboard or 35 feet, whichever is less; and

2. Billboards located in the I zone shall not exceed 15 feet above the average height of all buildings within 330 feet of the billboard or 45 feet, whichever is less. (Ord. 10870 § 433, 1993).

**21A.20.140 Billboards: General requirements.**

A. The total number of billboard faces within unincorporated King County shall not exceed the total number of billboard faces existing on June 20, 1988, except as provided in K.C.C. 21A.20.160E. In addition, the total number of existing billboard faces within each zone permitting billboards shall not be exceeded except as provided in K.C.C. 21A.20.150.

B. In the event that portions of unincorporated King County annex to incorporated cities or towns or incorporate after June 20, 1988, the total number of allowable billboard faces shall be decreased by the number of faces existing in such areas on the effective date of annexation or incorporation.

C. As soon as practical after June 20, 1988, the county shall compile an inventory of existing billboards within the county. Until the inventory is completed, no billboard shall be erected, modified, or relocated, nor shall King County issue any permits. Following completion of the inventory, the county shall grant a billboard permit for each existing billboard reflecting the location, size, height, zoning, and the degree of conformity with the requirements of this chapter. Only inventoried billboards may be subsequently issued billboard alteration or relocation permits. Billboard owners can accelerate the inventory process by providing the necessary inventory information for their billboards. If owners have provided necessary inventory information for all billboards in their ownership, the county shall release billboard permits for that ownership, regardless of the degree of completion of the remainder of the inventory. (Ord. 10870 § 434, 1993).

**21A.20.150 Billboards: Special restrictions in the CB zone.**

A. In the event that a billboard owner elects to relocate CB zoned billboards outside of the CB zone, the CB zone designation shall be removed and that permit may not later be used to relocate a billboard in the CB zone.

B. Billboards may be relocated only within the zone district identified on the valid billboard permit, except the number of billboards permitted within non-CB zone district may increase only as a result of billboard relocation from within the CB zone district. (Ord. 10870 § 435, 1993).

**21A.20.160 Billboards: Alteration or relocation limitations.**

A. Except as provided in K.C.C. 21A.20.160D, billboards shall not be altered with regard to size, shape, orientation, height, or location without the prior issuance of a billboard alteration or relocation permit. All such permits shall require full compliance with the provisions of K.C.C. 21A.20.130 -.180.

B. There shall be no time limit on the eligibility to alter or relocate inventoried billboards; however, individual alteration and relocation permits shall expire if the approved modifications are not completed within one year of permit issuance. Any project not completed within this period shall be placed in a holding category until a new permit is issued by King County, and no further work on the subject billboard shall occur until a permit is issued.

C. Relocation of inventoried billboards shall also require the issuance of a demolition permit for the removal of the existing billboard. Billboard demolitions shall be completed within 90 days of permit issuance and prior to installation of the relocated billboard.

D. Ordinary and necessary repairs which do not change the size, shape, orientation, height, or location of an inventoried billboard shall not require alteration permits. Billboard copy replacement may occur at any time and is exempt from the requirement for alteration permits, provided:

1. New Type II billboard faces do not exceed the size of previously inventoried faces, or
2. New Type I billboard faces may only exceed the size of the previously inventoried face with temporary cut-out extensions if the billboard is otherwise conforming, and if the extensions do not exceed a total of 125 square feet. Any extension shall be removed with the next change of billboard copy.

E. Single Type I billboard faces may be replaced with two side-by-side Type II billboard faces, and likewise two side-by-side Type II billboard faces may be replaced with a single Type I billboard face, provided each resulting billboard face complies with the location and height standards of K.C.C. 21A.20.130.

F. Any location or orientation alteration of billboards conforming to the provisions of K.C.C. 21A.20.130 -.180 shall be accompanied by the alteration or relocation of an equal number of billboards under the control of the same applicant which do not fully conform to these provisions, if any nonconforming billboards exist. Whenever more than one nonconforming billboard exists under a single ownership, they shall be made conforming in the following order:

1. Billboards deemed nonconforming pursuant to K.C.C. 21A.20.170;
2. Billboards located in zones which do not allow billboards;
3. Billboards located in billboard free areas;
4. Billboards located in the CB zone district; and
5. Any other nonconforming billboard. (Ord. 10870 § 436, 1993).

21A.20.170 - 21A.20.190

**21A.20.170 Billboards: View and vegetative screening protections.**

A. Notwithstanding any other provision of K.C.C. 21A.20.130 - .180 or other applicable laws or regulations, no billboard shall be located or oriented in a manner that is within the direct line-of-sight of views of Mt. Rainier, Mt. Baker, the Olympic Mountains, Puget Sound, or any lake or river from adjacent public roadways. All applications for billboard alteration or relocation shall be certified by the applicant as meeting this provision. Any billboard subsequently found to violate this provision shall be deemed nonconforming and shall be required to become the next nonconforming billboard relocated pursuant to K.C.C. 21A.20.160F.

B. Notwithstanding any other provision of K.C.C. 21A.20.130 - .180 or other applicable law or regulation, no billboard owner or his agent shall remove, cut, or otherwise alter any vegetative screening on public property or private landscaping required by code as a condition of permit approval in order to improve the visibility of a nearby billboard. Should such an alteration occur, any billboard so benefited shall be deemed nonconforming and shall be required to become the next nonconforming billboard relocated pursuant to K.C.C. 21A.20.160F. (Ord. 11157 § 19, 1993; Ord. 10870 § 437, 1993).

**21A.20.180 Billboard free areas.**

A. Notwithstanding any other provision of K.C.C. 21A.20.130 -.180, no billboard shall be relocated in any of the following areas:

1. Sites listed in either the Washington State or National Register of Historic Places or on sites designated as county landmarks or community landmarks;
  2. Open space and scenic resource sites identified in the adopted King County Open Space Plan;
  3. Between any sites identified in Sections 21A.20.180A.1 or 21A.20.180A.2 and the nearest adjacent public roadways;
  4. Within 660 feet of any state or county park;
  5. Redondo Beach Road and Redondo Way from Redondo Beach Road to 13th Avenue South;
  6. South 292nd Street from 65th Avenue South to State Highway 181;
  7. The south and east side of State Highway 522 from Northeast 149th Street to 68th Avenue Northeast;
  8. Northeast 175th Street from 61st Avenue Northeast to 68th Avenue Northeast;
  9. Rainier Avenue South from the Renton city limits to the Seattle city limits;
  10. South 188th Street and Orillia Road South from 46th Avenue South to Military Road South;
- and

11. Within 300 feet of the intersection of South 144th Street and 51st Avenue South.

B. After June 20, 1988, any billboard located in a designated billboard free area shall be deemed nonconforming and shall be relocated pursuant to K.C.C. 21A.20.160F. (Ord. 10870 § 438, 1993).

**21A.20.190 Community identification signs.** Community identification signs are permitted subject to the following provisions:

A. Only Unincorporated Activity Centers or Rural Towns, designated and delineated by the Comprehensive Plan, or specific geographic areas (communities) recognized and delineated by a recognized unincorporated area council, are eligible to be identified with community identification signs. Identification signs for Unincorporated Activity Centers or Rural Towns shall be placed along the boundaries identified by the Comprehensive Plan. Identification signs for specific geographic areas (communities) recognized and delineated by a recognized unincorporated area council shall be placed along the boundaries delineated by the unincorporated area council.

B. Two types of community identification signs are permitted. Primary signs are intended to mark the main arterial street entrances to a designated community, Unincorporated Activity Center or Rural Town. Auxiliary signs are intended to mark entrances to a designated community, Unincorporated Activity Center or Rural Town along local access streets.

- C. Primary signs are subject to the following provisions:
  - 1. No more than four primary signs shall be allowed per Unincorporated Activity Center, Rural Town or designated community, unless a recognized unincorporated area council permits up to two additional primary signs.
  - 2. Each primary sign shall be no more than thirty-two square feet in area and no more than six feet in height, except that a recognized unincorporated area council may permit consolidation of two primary signs into one larger sign no more than sixty-four square feet in area and no more than fifteen feet in height, to be located only in commercial/industrial zones.
  - 3. Primary signs shall only be located along arterial streets, outside of the right-of-way.
- D. Auxiliary community identification signs are subject to the following provisions:
  - 1. There shall be no limits on the number of auxiliary community identification signs allowed per Unincorporated Activity Center, Rural Town, or designated community.
  - 2. Each auxiliary sign shall be no more than two (2) square feet, and shall be located only outside of the right-of-way.
- E. No commercial advertisement shall be permitted on either primary or auxiliary signs except as follows:
  - 1. When located on property within the RA, UR, R1-8 and R12-48 zones, signs may have a logo or other symbol of a community service or business group (e.g. Kiwanis, Chamber of Commerce, etc.) sponsoring construction of the signs(s). Any permitted logo or symbol shall be limited to an area of no more than two square feet on primary signs and no more than seventy-two square inches on auxiliary signs; or
  - 2. When located on properties within the NB, CB, RB, O and I zones, signs may have a logo or other symbol of the company, community service or business group sponsoring construction of the sign(s). Any permitted logo or symbol shall be limited to an area of no more than four square feet on primary signs and no more than seventy-two square inches on auxiliary signs.
- F. Community identification signs shall be exempt from the provisions of K.C.C. 21A.20.060.A that require signs to be on-premise. (Ord. 13022 § 26, 1998).

BLANK

(King County 6-2006)

**Chapter 21A.22**  
**DEVELOPMENT STANDARDS - MINERAL EXTRACTION**

**Sections:**

- 21A.22.010 Purpose.
- 21A.22.020 Applicability of chapter.
- 21A.22.030 Grading permits required.
- 21A.22.035 Community meeting.
- 21A.22.040 Nonconforming mineral extraction operations.
- 21A.22.050 Periodic review.
- 21A.22.060 Site design standards.
- 21A.22.070 Operating conditions and performance standards.
- 21A.22.081 Reclamation.
- 21A.22.085 Mitigation and monitoring.
- 21A.22.090 Financial guarantees.

BLANK

(King County 6-2006)



**21A.22.010 Purpose.** The purpose of this chapter is to establish standards that minimize the impacts of mineral extraction and materials processing operations upon surrounding properties by:

- A. Ensuring adequate review of operating aspects of mineral extraction and materials processing sites;
- B. Requiring project phasing on large sites to minimize environmental impacts;
- C. Requiring minimum site areas large enough to provide setbacks and mitigations necessary to protect environmental quality; and
- D. Requiring periodic review of mineral extraction and materials processing operations to ensure compliance with the approved operating standards. (Ord. 15032 § 23, 2004: Ord. 11157 § 20, 1993: Ord. 10870 § 439, 1993).

**21A.22.020 Applicability of chapter.** This chapter shall only apply to uses or activities that are mineral extraction or materials processing operations. (15032 § 24, 2004: Ord. 10870 § 440, 1993).

**21A.22.030 Grading permits required.** Extractive operations and materials processing operations shall commence only after issuance of a grading permit. (15032 § 25, 2004: Ord. 10870 § 441, 1993).

*[Grading: See K.C.C. chapter 16.82]*

**21A.22.035 Community meeting.**

A. Not later than thirty days after the department provides the notice of application to the public required by K.C.C. 20.20.060 on a mineral extraction or materials processing site or for an expansion of an existing mineral extraction or materials processing site or operation beyond the scope of the prior environmental review, the applicant shall hold a community meeting. The notice of application shall include notification of the date, time and location of the community meeting. At the meeting, the applicant shall provide information relative the proposal, including information on existing residences and lot patterns within one-quarter mile of potential sites and on alternative haul routes. The applicant shall also provide a preliminary evaluation at the meeting of any alternative routes that have been provided to the applicant in writing at least five days in advance of the meeting. The applicant shall provide to the department within fourteen days after the community meeting a written list of meeting attendees and documentation of the meeting.

B. Public notice of the community meeting required by this section shall be prepared, posted and distributed in accordance with K.C.C. 20.20.060 at least two weeks before the community meeting. In addition, the department shall:

- 1. Publish a notice of the meeting in a local newspaper of general circulation in the affected area;
- 2. Mail the notice of the meeting to the unincorporated area council serving the area where the site is located; and
- 3. Mail the notice of the meeting to all property owners within one-quarter mile of the proposed or expanded site or to at least twenty of the property owners nearest to the site, whichever is greater; and
- 4. Mail the notice of the meeting to all property owners within five hundred feet of any proposed haul route from the site to the nearest arterial. (15032 § 26, 2004)

**21A.22.040 Nonconforming mineral extraction operations.** To the maximum extent practicable, nonconforming mineral extraction operations shall be brought into conformance with the operating conditions and performance standards of this chapter during permit renewal. The department shall establish a schedule for conformance during the first periodic review of the nonconforming mineral extraction operation and incorporated into the permit conditions. (15032 § 27, 2004: Ord. 10870 § 442, 1993).

**21A.22.050 Periodic review.**

A. In addition to the review conducted as part of the annual renewal of a mineral extraction operating permit or materials processing permit, the department shall conduct a periodic review of mineral extraction and materials processing operation site design and operating standards at five-year intervals.

B. The periodic review is a Type 2 land use decision.

C. The periodic review shall determine:

1. Whether the site is operating consistent with all existing permit conditions; and
2. That the most current site design and operating standards are applied to the site through additional or revised permit conditions as necessary to mitigate identifiable environmental impacts. (Ord 15032 § 28, 2004: Ord. 11157 § 21, 1993: Ord. 10870 § 443, 1993).

**21A.22.060 Site design standards.** Except as otherwise provided for nonconforming mineral extraction operations in K.C.C. 21A.22.040, in addition to requirements in this title, all mineral extraction and materials processing operations shall comply with the following standards:

A. The minimum site area of a mineral extraction or materials processing operation shall be ten acres;

B. Mineral extraction or materials processing operations on sites larger than twenty acres shall occur in phases to minimize environmental impacts. The size of each phase shall be determined during the review process;

C. If the department determines they are necessary to eliminate a safety hazard, fences or alternatives to fences approved by the department, shall be:

1. Provided in a manner that discourages access to areas of the site where:
  - a. active extracting, processing, stockpiling and loading of materials is occurring;
  - b. boundaries are in common with residential or commercial zone property or public lands; or
  - c. any unstable slope or any slope exceeding a grade of forty percent is present;
2. At least six feet in height above the grade measured at a point five feet outside the fence and the fence material shall have no opening larger than two inches;
3. Installed with lockable gates at all openings or entrances;
4. No more than four inches from the ground to fence bottom; and
5. Maintained in good repair;

D. Warning and trespass signs advising of the mineral extraction or materials processing operation shall be placed on the perimeter of the site adjacent to RA, UR or R zones at intervals no greater than two hundred feet along any unfenced portion of the site where the items noted in subsection C.1.a. through c. of this section are present;

E. Structural setbacks from property lines shall be as follows:

1. Buildings, structures and stockpiles used in the processing of materials shall be no closer than:
  - a. one hundred feet from any residential zoned properties except that the setback may be reduced to fifty feet when the grade where such building or structures are proposed is fifty feet or greater below the grade of the residential zoned property;
  - b. fifty feet from any other zoned property, except when adjacent to another mineral extraction or materials processing site;
  - c. the greater of fifty feet from the edge of any public street or the setback from residential zoned property on the far side of the street; and
2. Offices, scale facilities, equipment storage buildings and stockpiles, including those for reclamation, shall not be closer than fifty feet from any property line except when adjacent to another mineral extraction or materials processing site or M or F zoned property. Facilities necessary to control access to the site, when demonstrated to have no practical alternative, may be located closer to the property line;

F. On-site clearing, grading or excavation, excluding that necessary for required access, roadway or storm drainage facility construction or activities in accordance with an approved reclamation plan, shall

not be permitted within fifty feet of any property line except along any portion of the perimeter adjacent to another mineral extraction or materials processing operation or M or F zoned property. If native vegetation is restored, temporary disturbance resulting from construction of noise attenuation features located closer than fifty feet shall be permitted;

(King County 6-2006)

## DEVELOPMENT STANDARDS - MINERAL EXTRACTION

21A.22.060 - 21A.22.070

G. Landscaping consistent with type 1 screening K.C.C. chapter 21A.16, except using only plantings native to the surrounding area, shall be provided along any portion of the site perimeter where disturbances such as site clearing and grading, or mineral extraction or materials processing is performed, except where adjacent to another mineral extraction, materials processing or forestry operation or M or F-zoned property;

H. Relevant clearing and grading operating standards from K.C.C. chapter 16.82 shall be applied; and

I. Lighting shall:

1. Be limited to that required for security, lighting of structures and equipment, and vehicle operations; and

2. Not directly glare onto surrounding properties. (Ord. 15032 § 29, 2004: Ord. 11621 § 67, 1994: 11157 § 22, 1993: Ord. 10870 § 444, 1993).

**21A.22.070 Operating conditions and performance standards.** Operating conditions and performance standards shall be as specified in K.C.C. chapter 16.82 except:

A. Noise levels produced by a mineral extraction or materials processing operation shall not exceed levels specified by K.C.C. chapters 12.86, 12.87, 12.88, 12.90, 12.91, 12.92, 12.94, 12.96, 12.98, 12.99 and 12.100;.

B. Blasting shall be conducted under an approved blasting plan:

1. Consistent with the methods specified in the office of surface mining, 1987 Blasting Guidance Manual in a manner that protects from damage all structures, excluding those owned and directly used by the operator, and persons in the vicinity of the blasting area, including, but not limited to, adherence to the following:

a. Airblast levels shall not exceed one hundred thirty-three dBL measured by a two Hz or lower flat response system at the nearest residential property or place of public assembly;

b. Flyrock shall not be cast one-half the distance to the nearest residential property, place of public assembly or the property boundary, whichever is less; and

c. Ground motion shall not exceed ground vibration levels damaging to structures using one of the four accepted methods in the Blasting Guidance Manual;

2. During daylight hours; and

3. According to a time schedule, provided to residents within one-half mile of the site, that features regular or predictable times, except in the case of an emergency. If requested by a resident, the operator shall provide notice of changes in the time schedule at least twenty four hours before the changes take effect;

C.1. Dust and smoke produced by mineral extraction and materials processing operations shall be controlled by best management practices to comply with relevant regulations of the Puget Sound Clean Air Agency.

2. Dust and smoke from process facilities shall be controlled in accordance with a valid operating permit from the Puget Sound Clean Air Agency. Copies of the permit shall be kept onsite and available for department and public inspection. Copies of the Puget Sound Clean Air Agency monitoring results shall be provided to the department on permit monitoring data submittal dates.

3. Dust and smoke from process facilities shall not significantly increase the existing levels of suspended particulates at the perimeter of the site;

D. The applicant shall prevent rocks, dirt, mud and any raw or processed material from spilling from or being tracked by trucks onto public roadways and shall be responsible for cleaning debris or repairing damage to roadways caused by the operation;

E. The applicant shall provide traffic control measures such as flaggers or warning signs as determined by the department during all hours of operation;

F. The operator shall control surface water and site discharges to comply with K.C.C. chapter 9.04 and the surface water design manual and K.C.C. chapter 9.12 and the stormwater pollution prevention manual. For the life of the mineral resource operation and until site reclamation is complete, the operator shall maintain a valid Washington state department of ecology National Pollutant Discharge Elimination System individual permit or maintain coverage under the sand and gravel general permit. The operator shall keep onsite and available for department review copies of the erosion and sediment control plan, the applicable National Pollution Discharge Elimination System individual or general permit and the Stormwater Pollution Prevention Plan. The operator shall make the plans and permit available for public inspection upon request. The operator shall provide to the department copies of the monitoring results on permit monitoring data submittal dates. The department shall make the monitoring results available for public inspection. If the department determines that National Pollution Discharge Elimination System monitoring frequency or type is not adequate to meet the demands of the site and the requirements of this subsection, the department may require more frequent and detailed monitoring and may require a program designed to bring the site into compliance;

G. The operator shall not excavate below the contours determined through hydrologic studies necessary to protect groundwater and the upper surface of the saturated groundwater that could be used for potable water supply;

H. If contamination of surface or ground water by herbicides is possible, to the maximum extent practicable, mechanical means shall be used to control noxious weeds on the site;

I. Upon depletion of mineral resources or abandonment of the site, the operator shall remove all structures, equipment and appurtenances accessory to operations; and

J. If the operator fail to comply with this section, the department shall require modifications to operations, procedures or equipment until compliance is demonstrated to the satisfaction of the department. If the modifications are inconsistent with the approved permit conditions, the department shall revise the permit accordingly. (Ord. 15032 § 30, 2004: Ord. 11621 § 68, 1994: Ord. 10870 § 445, 1993).

#### **21A.22.081 Reclamation**

A. A valid clearing and grading permit shall be maintained on a mineral extraction site until the reclamation of the site required under chapter 78.44 RCW is completed.

B. A reclamation plan approved in accordance with chapter 78.44 RCW shall be submitted before the effective date of a zone reclassification in Mineral-zoned properties or the acceptance of any development proposal for a subsequent use in Forest-zoned properties. The zone reclassification shall grant potential zoning that is only to be actualized, under K.C.C. chapter 20.24, upon demonstration of successful completion of all requirements of the reclamation plan. Development proposals in the Forest zone for uses subsequent to mineral extraction operations shall not be approved until demonstration of successful completion of all requirements of the reclamation plan except that forestry activities may be permitted on portions of the site already fully reclaimed.

C. Mineral extraction operations that are not required to have an approved reclamation plan under chapter 78.44 RCW shall meet the following requirements:

1. Upon the exhaustion of minerals or materials or upon the permanent abandonment of the quarrying or mining operation, all nonconforming buildings, structures, apparatus or appurtenances accessory to the quarrying and mining operation shall be removed or otherwise dismantled to the satisfaction of the director;

2. Final grades shall:

- a. be such so as to encourage the uses permitted within the primarily surrounding zone or, if applicable, the underlying or potential zone classification; and

b. result in drainage patterns that reestablish natural conditions of water velocity, volume, and turbidity within six months of reclamation and that precludes water from collecting or becoming stagnant. Suitable drainage systems approved by the department shall be constructed or installed where natural drainage conditions are not possible or where necessary to control erosion. All constructed drainage systems shall be designed consistent with the Surface Water Design Manual;

(King County 6-2006)

DEVELOPMENT STANDARDS - MINERAL EXTRACTION

21A.22.081 - 21A.22.090

3. All areas subject to grading or backfilling shall:
    - a. incorporate only nonnoxious, nonflammable, noncombustible and nonputrescible solids; and
    - b. except for roads and areas incorporated into drainage facilities, be surfaced with soil of a quality at least equal to the topsoil of the land areas immediately surrounding, and to a depth of the topsoil of land area immediately surrounding six inches, whichever is greater. The topsoil layer shall have an organic matter content of eight to thirteen percent and a pH of 6.0 to 8.0 or matching the pH of the original undisturbed soil layer. Compacted areas such as pit floors or compacted fill shall be tilled or scarified prior to topsoil placement;
  4. All reclaimed slopes shall comprise an irregular sinuous appearance in both profile and plan view and blend with adjacent topography to a reasonable extent;
  5. Where excavation has penetrated the seasonal or permanent water table creating a water body or wetland:
    - a. All side slopes below the permanent water table and banks shall be graded or shaped as to not constitute a safety hazard;
    - b. Natural features and plantings to provide beneficial wetland functions and promote wildlife habitat shall be provided; and
    - c. Appropriate drainage controls shall be provided to stabilize the water level and not create potential flooding hazards;
  6. All cleared, graded or backfilled areas, including areas surfaced with topsoil, shall be planted with a variety of trees, shrubs, legumes and grasses indigenous to the surrounding area and appropriate for the soil, moisture and exposure conditions;
  7. Waste or soil piles shall be used for grading, backfilling or surfacing if permissible under this section, then covered with topsoil and planted in accordance with subsection C.3. and 6. of this section. Waste or soil piles not acceptable to be used for fill in accordance with this chapter or as top soil in accordance with subsection C.3. of this section shall be removed from the site; and
  8. Where excavation has exposed natural materials that may create polluting conditions, including but not limited to acid-forming coals and metalliferous rock or soil, such conditions shall be addressed to the satisfaction of the department. The final ground surface shall be graded so that surface water drains away from any such materials remaining on the site.
- D. The department may modify any requirement of this section when not applicable or if it conflicts with an approved subsequent use for the site. (Ord. 15032 § 32, 2004; Ord. 14199 § 223, 2001: Ord. 3108 § 9, 1977: Ord. 1488 § 12, 1973. Formerly 16.82.110).

**21A.22.085 Mitigation and monitoring.** The applicant shall mitigate adverse impacts resulting from the extraction or processing operations and monitor to demonstrate compliance with this chapter. (Ord. 15032 § 34, 2004).

**21A.22.090 Financial guarantees.** Financial guarantees shall be required consistent with K.C.C. Title 27A. (Ord. 15032 § 35, 2004: Ord. 12020 § 53, 1995: Ord. 11157 § 24, 1993: Ord. 10870 § 447, 1993).

BLANK

(King County 6-2006)

